

**Supplemental Table S2** - Proportion of *Catha edulis* ESTs assigned to various functional categories as defined by the GO Consortium (<http://www.geneontology.org/>). The proportion of ESTs in each category is expressed as a % of the total ESTs receiving a GO annotation.

Biological processes GO annotation category	Total (%)	Cellular component GO annotation category	Total (%)	Molecular function GO annotation category	Total (%)
Metabolic process	34.9	Cell and parts	64.9	Catalytic activity	45.6
Cellular process	30.9	Organelle and parts	15.5	Binding	34.4
Response to stimulus	8.5	Macromolecular complex	14.7	Structural molecule activity	7.0
Biological regulation	5.1	Envelope	2.3	Transcription regulator activity	5.8
Localization	4.6	Membrane-enclosed lumen	2.1	Transporter activity	5.6
Establishment of localization	4.6	Extracellular region	0.5	Enzyme regulator activity	1.4
Developmental process	3.3	Extracellular matrix	0.1	Translation regulator activity	1.4
Multicellular organismal process	2.6			Molecule transducer activity	0.7
Reproduction	1.6			Antioxidant activity	0.7
Reproductive process	1.5			Motor activity	0.4
Multi-organism process	1.2			Nutrient reservoir activity	0.2
Immune system process	0.7			Metallochaperone activity	0.04
Growth	0.2				
Rhythmic process	0.1				
Biological adhesion	0.1				
Pigmentation	0.05				
Total	100	Total	100	Total	100